

WHAT IS CLAIMED IS:

1. A display filter arranged in alignment with a screen of a display unit, said display filter having a function of absorbing visible rays having a wavelength
5 other than wavelengths of red, green and blue lights.

2. The display filter as set forth in claim 1, wherein said function is accomplished by:

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- 10 (a) a transparent substrate positioned in alignment with said screen; and
(b) a light absorber mixed in said transparent substrate, said light absorber absorbing visible rays having a wavelength other than wavelengths of red, green and blue lights.

15 3. The display filter as set forth in claim 1, wherein said function is accomplished by:

- (a) a transparent film;
(b) a light absorber mixed in said transparent film, said light absorber absorbing visible rays having a wavelength other than wavelengths of red, green and blue lights; and

20 (c) a transparent substrate to which said transparent film is adhered, said transparent substrate being positioned in alignment with said screen.

4. The display filter as set forth in claim 1, wherein said function is accomplished by:

25 (a) a transparent film having an adhesive layer on one of upper and lower surfaces;

(b) a light absorber mixed in said adhesive layer, said light absorber absorbing visible rays having a wavelength other than wavelengths of red, green and blue lights; and

(c) a transparent substrate to which said transparent film is adhered through said adhesive layer, said transparent substrate being positioned in alignment with said screen.

5 5. The display filter as set forth in claim 1, wherein said function is accomplished by:

(a) a transparent film; and

(b) a light absorber mixed in said transparent film, said light absorber absorbing visible rays having a wavelength other than wavelengths of red, green and blue lights,

said transparent film being adhered to said screen.

6. The display filter as set forth in claim 1, wherein said function is accomplished by:

(a) a transparent film having an adhesive layer on one of upper and lower surfaces; and

(b) a light absorber mixed in said adhesive layer, said light absorber absorbing visible rays having a wavelength other than wavelengths of red, green and blue lights,

20 said transparent film being adhered to said screen through said adhesive layer.

7. The display filter as set forth in claim 2, wherein said light absorber is comprised of pigment.

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8. A display filter arranged in alignment with a screen of a display unit, said display filter having a function of absorbing only external light in an area where said display unit is used.

9. The display filter as set forth in claim 8, wherein said function is accomplished by:

(a) a transparent substrate positioned in alignment with said screen; and

5 (b) a light absorber mixed in said transparent substrate, said light absorber absorbing visible rays having a wavelength other than wavelengths of red, green and blue lights.

10 10. The display filter as set forth in claim 8, wherein said function is accomplished by:

(a) a transparent film;

(b) a light absorber mixed in said transparent film, said light absorber absorbing visible rays having a wavelength other than wavelengths of red, green and blue lights; and

15 (c) a transparent substrate to which said transparent film is adhered, said transparent substrate being positioned in alignment with said screen.

11. The display filter as set forth in claim 8, wherein said function is accomplished by:

20 (a) a transparent film having an adhesive layer on one of upper and lower surfaces;

(b) a light absorber mixed in said adhesive layer, said light absorber absorbing visible rays having a wavelength other than wavelengths of red, green and blue lights; and

25 (c) a transparent substrate to which said transparent film is adhered through said adhesive layer, said transparent substrate being positioned in alignment with said screen.

12. The display filter as set forth in claim 8, wherein said function is accomplished by:

(a) a transparent film; and

(b) a light absorber mixed in said transparent film, said light absorber absorbing visible rays having a wavelength other than wavelengths of red, green and blue lights,

5 said transparent film being adhered to said screen.

13. The display filter as set forth in claim 8, wherein said function is accomplished by:

(a) a transparent film having an adhesive layer on one of upper and lower surfaces; and

(b) a light absorber mixed in said adhesive layer, said light absorber absorbing visible rays having a wavelength other than wavelengths of red, green and blue lights,

10 said transparent film being adhered to said screen through said adhesive layer.

14. The display filter as set forth in claim 9, wherein said light absorber is comprised of pigment.

20 15. A liquid crystal display device comprising:

(a) a liquid crystal display unit emitting lights externally; and

(b) a display filter arranged in alignment with a screen of said liquid crystal display unit, said display filter having a function of absorbing visible rays having a wavelength other than wavelengths of red, green and blue lights.

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16. The liquid crystal display device as set forth in claim 15, wherein said function is accomplished by:

(b1) a transparent substrate positioned in alignment with said screen; and

(b2) a light absorber mixed in said transparent substrate, said light absorber

absorbing visible rays having a wavelength other than wavelengths of red, green and blue lights.

17. The liquid crystal display device as set forth in claim 15, wherein said function is accomplished by:

(b1) a transparent film;

(b2) a light absorber mixed in said transparent film, said light absorber absorbing visible rays having a wavelength other than wavelengths of red, green and blue lights; and

(b3) a transparent substrate to which said transparent film is adhered, said transparent substrate being positioned in alignment with said screen.

18. The liquid crystal display device as set forth in claim 15, wherein said function is accomplished by:

(b1) a transparent film having an adhesive layer on one of upper and lower surfaces;

(b2) a light absorber mixed in said adhesive layer, said light absorber absorbing visible rays having a wavelength other than wavelengths of red, green and blue lights; and

(b3) a transparent substrate to which said transparent film is adhered through said adhesive layer, said transparent substrate being positioned in alignment with said screen.

19. The liquid crystal display device as set forth in claim 15, wherein said function is accomplished by:

(b1) a transparent film; and

(b2) a light absorber mixed in said transparent film, said light absorber absorbing visible rays having a wavelength other than wavelengths of red, green and blue lights,

said transparent film being adhered to said screen.

20. The liquid crystal display device as set forth in claim 15, wherein said function is accomplished by:

5 (b1) a transparent film having an adhesive layer on one of upper and lower surfaces; and

(b2) a light absorber mixed in said adhesive layer, said light absorber absorbing visible rays having a wavelength other than wavelengths of red, green and blue lights,

10 said transparent film being adhered to said screen through said adhesive layer.